
स्नेहक, एवं औद्योगिक तेल संबद्ध उत्पादों के
सामान्य वर्गीकरण

भाग 1 वर्ग L

(पहला पुनरीक्षण)

General Classification of Lubricants,
Industrial Oils and Related Products

Part 1 Class L

(First Revision)

ICS 75.100

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FOREWORD

This Indian Standard (First Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Lubricants and their Related Products Sectional Committee had been approved by the Petroleum, Coal and Related Products Division Council.

This standard was originally published in 1985 by deriving considerable assistance from ISO 6743-0 : 1981 'Lubricants, industrial oils and related products (Class L) — Classification — Part 0 : General' issued by the International Organization for Standardization (ISO).

The classification described in this standard is intended for the guidance to the consumers and manufacturer of lubricants, Industrial oils and related products.

This Indian Standard is published in various parts. The other parts in the series are:

11159 (Part 1)	Class L
(Part 2)	Family A (total loss system)
(Part 3)	Family F (spindle bearing, bearing and associated clutches)
(Part 4)	Family D (compressors)
(Part 5)	Family H (Hydraulic systems)
(Part 6)	Family T (turbines)
(Part 7)	Family C (gears)
(Part 13)	Family Q (Heat transfer fluids)

In this first revision, this (Part 1) standard is updated with the inclusion of clause for references.

Indian Standard

GENERAL CLASSIFICATION OF LUBRICANTS, INDUSTRIAL OILS AND RELATED PRODUCTS

PART 1 CLASS L

(First Revision)

1 SCOPE

This Indian standard (Part 1) prescribes a general classification system for lubricants, industrial oils and related products, designated by the prefix letter 'L'.

2 REFERENCE

The following standard contain provisions which through reference in this text constitute the provisions of this standard. At the time of publication, the edition indicated was valid. The standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below:

<i>IS No.</i>	<i>Title</i>
9466 : 2020	Viscosity classification for industrial liquid lubricants

3 CLASSIFICATION

3.1 In Table 1, 18 families of products are listed which are further subdivided according to their application in order to cover, as far as possible, all the applications in this class. The detailed classification of each family will be successively given in subsequent parts of the standard.

**Table 1 Classification of Lubricants,
Industrial Oils and Related Products:
Subdivision in Families According to Application**
(Clause 3.1)

Code Letter	Application
A	Total loss systems
B	Mould release
C	Gears
D	Compressors (including refrigeration)
E	Internal combustion engine
F	Spindles, bearings and associated clutches
G	Slideways

Code Letter	Application
H	Hydraulic systems
M	Metal working
N	Electrical insulation
P	Pneumatic tools
Q	Heat transfer
R	Temporary protection against corrosion
T ¹⁾	Turbines
U	Heat treatment
X	Applications requiring grease
Y	Other applications
Z	Steam cylinders

¹⁾This class covers both gas turbines and steam turbines, differentiation being made at a further stage of the classification.

4 EXPLANATION OF SYMBOLS

4.1 The detailed classification of a family is established by defining the categories of products which are required for the main applications of the family. Each detailed classification is presented in a standard format applicable to all the families of Class L for which a detailed classification is desired.

4.2 Each category is designated by a symbol consisting of a group of letters, which together constitute a code.

NOTE — The first letter of this code identifies the family of the product considered, but any following letters taken separately have no significance of their own.

4.3 The symbolization of each product can, according to future need be supplemented by the addition of viscosity grades according to IS 9466 or NLGI grades for greases (*see* Note).

NOTE — NLGI stands for National Lubricating Grease Institute, USA.

4.4 In this classification system, products are designated in a uniform manner. For example, a particular product may be designated in complete form, that is IS-L AN 32, or in an abbreviated form that is L AN 32, the number indicates the viscosity according to IS 9466.

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Amendments Issued Since Publication

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